UNIVERSITY OF PUNE

Ganeshkhind,
Pune-411 007.

Ref.No. CBS/Stat/849

Date : 6.8.1996

To,

The Principals,
of all affiliated Science College.

Subject :- Corrigendum to revised syllabus for F.Y.B.Sc. Statistics.

Reference :- Circular No. 215 of 1996 dated 12.6.1996.

Sir,

In continuation to above Circular, I am to inform you that enclosed Note for the syllabus for Paper III (Practical) be included in the syllabus.

Further, I am to inform you that "Note should be read at the beginning of the syllabus.

Thanking you,

Yours faithfully,

for Registrar

Copy for information to :-

1. Dean, Faculty of Science.
2. The members of BOS in Statistics.
3. The Controller of Examinations.
4. The Director, BCUD
5. The Director Competative Exam.Centre.
6. The Dy.Registrar Exam. 1,2,3,4)
7. The System Analyst, Data Processing Unit
8. The Asstt.Registrar (Exam-Co-ordination)
9. The Asstt.Registrar (S & T Unit)
10. The Asstt.Registrar, Strong Room.
11. The Asstt.Registrar , Ahmednagar & Nasik sub centres.
12. The Public Relation Officer.

F.Y.B.Sc. - STATISTICS

Notes:-

1. A student of the Three Year B.Sc. degree course will not be allowed to offer Statistics and Statistical Techniques simultaneously in any of the three years of the course.

2. Students offering Statistics at the first year of the Three Year B.Sc. Course may be allowed to offer Statistical Techniques as one of their subjects in the second year of the Three Year B.Sc. Course in the place of Statistics.

3. Students offering Statistical Techniques at the first year of the Three Year B.Sc. Course may be allowed to offer Statistics as one of their subjects in the Second Year of the Three Year B.Sc.Course in place of Statistical Techniques provided they satisfy other requirements regarding subject combinations, if any.

4. Students must complete all the Practical in each Practical Paper to the satisfaction of the teacher concerned.

5. Students must produce at the time of the Practical examination the laboratory journal alongwith the completion certificate signed by the Head of the Department.

6. For each Practical paper examination 10 marks are reserved for viva-voce and journal.

Paper III : Practical

Prerequisites : Knowledge of the topics in Theory Papers.

Objectives :

At the end of this course students are expected to be able -

(i) to compute various measures of central tendency, dispersion, skewness and kurtosis,
(ii) to compute correlation coefficient, regression coefficient,
(iii) to fit binomial distribution,
(iv) to analyse data pertaining to discrete and continuous variables and to interpret the results,
(v) to compute index number and
(vi) to compute probabilities of bivariate distributions.

Sr. No.	Topics of Experiments	No. of Experiments
1.	Use of random number tables : To draw samples by using SRSWOR, stratified, systematic sampling.	1
2.	Tabulation (one, two and three factors of classification) and diagramatic representation (problems based on bar-diagram : vertical, sub-divided and pie-diagram).	2
3.	Graphical representation of statistical data (problems based on histogram : with equal and unequal class-width, frequency polygon and curve, ogive-curves).	1
4.	Computation of measures of central tendency-I.	2
5.	Computation of measures of central tendency-II (use of an appropriate measure of central tendency and interpretation of results) and computation of partition values.	1
6.	Computation of measures of dispersion-I,	1
7.	Computation of measures of dispersion-II (use of appropriate measure of dispersion).	1
8.	Raw and central moments (with Sheppard's correction)	2
9.	Computation of measures of skewness and kurtosis.	1
10.	Scattered diagram, fitting of lines of regression and computation of correlation coefficient (Ungrouped data).	2
11.	Fitting of lines of regression and computation of correlation coefficient (grouped data).	1
12.	Fittings of second degree curves, expnential curve of type $y = ab^x$.	1
13.	Fitting of binomial distribution and computation of probabilities.	1
14.	Application of (a) the binomial distribution (b) hypergeometric distribution (c) binomial approximation to hypergeometric distribution, for computation of probabilities,	1
15.	Problems on bivariate discrete probability distribution.	1
16.	Computation of index numbers : (i) Laspery's (ii) Paasche's (iii) Fisher's.	1